

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/567,728  
Source: IFWP  
Date Processed by STIC: 2/27/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 02/27/2006

PATENT APPLICATION: US/10/567,728

TIME: 14:41:02

Input Set : A:\CD009PCTseq.txt

Output Set: N:\CRF4\02272006\J567728.raw

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3 <110> APPLICANT: MATSUDA, Hikaru
4     SAWA, Yoshiki
5     TAKETANI, Satoshi
6     MIYAGAWA, Shigeru
8 <120> TITLE OF INVENTION: three dimensional tissue construct
10 <130> FILE REFERENCE: CD009PCT
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/567,728
C--> 12 <141> CURRENT FILING DATE: 2006-01-31
12 <150> PRIOR APPLICATION NUMBER: JP2003-285476
13 <151> PRIOR FILING DATE: 2003-08-01
15 <160> NUMBER OF SEQ ID NOS: 20
17 <170> SOFTWARE: PatentIn version 3.1
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29 gcggagccca aagaatcctt tgtcaaaggg accatccaga gcagagaagg aggaaaagtg      180
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91	ttgaacaagc	tgatgacca	cctcaggagt	acccatcctc	actttgtgag	gtgtatcatc	2040
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241 Asp Ala Lys Thr Ser Val Phe Val Ala Glu Pro Lys Glu Ser Phe Val
242 35 40 45
245 Lys Gly Thr Ile Gln Ser Arg Glu Gly Gly Lys Val Thr Val Lys Thr
246 50 55 60
249 Glu Gly Gly Ala Thr Leu Thr Val Lys Asp Asp Gln Val Phe Pro Met
250 65 70 75 80
253 Asn Pro Pro Lys Tyr Asp Lys Ile Glu Asp Met Ala Met Met Thr His
254 85 90 95
257 Leu His Glu Pro Ala Val Leu Tyr Asn Leu Lys Glu Arg Tyr Ala Ala
258 100 105 110
261 Trp Met Ile Tyr Thr Tyr Ser Gly Leu Phe Cys Val Thr Val Asn Pro
262 115 120 125
265 Tyr Lys Trp Leu Pro Val Tyr Lys Pro Glu Val Val Thr Ala Tyr Arg
266 130 135 140
269 Gly Lys Lys Arg Gln Glu Ala Pro Pro His Ile Phe Ser Ile Ser Asp

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274          165          170          175
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278          180          185          190
281 Ile Gln Tyr Phe Ala Thr Ile Ala Val Thr Gly Glu Lys Lys Lys Glu
282          195          200          205
285 Glu Ile Thr Ser Gly Lys Ile Gln Gly Thr Leu Glu Asp Gln Ile Ile
286          210          215          220
289 Ser Ala Asn Pro Leu Leu Glu Ala Phe Gly Asn Ala Lys Thr Val Arg
290 225          230          235          240
293 Asn Asp Asn Ser Ser Arg Phe Gly Lys Phe Ile Arg Ile His Phe Gly
294          245          250          255
297 Thr Thr Gly Lys Leu Ala Ser Ala Asp Ile Glu Thr Tyr Leu Leu Glu
298          260          265          270
301 Lys Ser Arg Val Val Phe Gln Leu Lys Ala Glu Arg Ser Tyr His Ile
302          275          280          285
305 Phe Tyr Gln Ile Thr Ser Asn Lys Lys Pro Glu Leu Ile Glu Met Leu
306          290          295          300
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310 305          310          315          320
313 Ile Ser Val Ala Ser Ile Asp Asp Gln Glu Glu Leu Met Ala Thr Asp
314          325          330          335
317 Ser Ala Ile Asp Ile Leu Gly Phe Thr Asn Glu Glu Lys Val Ser Ile
318          340          345          350
321 Tyr Lys Leu Thr Gly Ala Val Met His Tyr Gly Asn Leu Lys Phe Lys
322          355          360          365
325 Gln Lys Gln Arg Glu Glu Gln Ala Glu Pro Asp Gly Thr Glu Val Ala
326          370          375          380
329 Asp Lys Ala Ala Tyr Leu Gln Ser Leu Asn Ser Ala Asp Leu Leu Lys
330 385          390          395          400
333 Ala Leu Cys Tyr Pro Arg Val Lys Val Gly Asn Glu Tyr Val Thr Lys
334          405          410          415
337 Gly Gln Thr Val Glu Gln Val Ser Asn Ala Val Gly Ala Leu Ala Lys
338          420          425          430
341 Ala Val Tyr Glu Lys Met Phe Leu Trp Met Val Ala Arg Ile Asn Gln
342          435          440          445
345 Gln Leu Asp Thr Lys Gln Pro Arg Gln Tyr Phe Ile Gly Val Leu Asp
346          450          455          460
349 Ile Ala Gly Phe Glu Ile Phe Asp Phe Asn Ser Leu Glu Gln Leu Cys
350 465          470          475          480
353 Ile Asn Phe Thr Asn Glu Lys Leu Gln Gln Phe Phe Asn His His Met
354          485          490          495
357 Phe Val Leu Glu Gln Glu Glu Tyr Lys Lys Glu Gly Ile Glu Trp Thr
358          500          505          510
361 Phe Ile Asp Phe Gly Met Asp Leu Ala Ala Cys Ile Glu Leu Ile Glu
362          515          520          525
365 Lys Pro Met Gly Ile Phe Ser Ile Leu Glu Glu Glu Cys Met Phe Pro
366          530          535          540

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377 Glu Ala His Phe Ala Leu Ile His Tyr Ala Gly Val Val Asp Tyr Asn
378                               580                               585                               590
381 Ile Thr Gly Trp Leu Glu Lys Asn Lys Asp Pro Leu Asn Glu Thr Val
382                               595                               600                               605
385 Val Gly Leu Tyr Gln Lys Ser Ala Met Lys Thr Leu Ala Gln Leu Phe
386                               610                               615                               620
389 Ser Gly Ala Gln Thr Ala Glu Gly Glu Gly Ala Gly Gly Gly Ala Lys
390 625                               630                               635                               640
393 Lys Gly Gly Lys Lys Lys Gly Ser Ser Phe Gln Thr Val Ser Ala Leu
394                               645                               650                               655
397 Phe Arg Glu Asn Leu Asn Lys Leu Met Thr Asn Leu Arg Ser Thr His
398                               660                               665                               670
401 Pro His Phe Val Arg Cys Ile Ile Pro Asn Glu Thr Lys Thr Pro Gly
402                               675                               680                               685
405 Ala Met Glu His Glu Leu Val Leu His Gln Leu Arg Cys Asn Gly Val
406                               690                               695                               700
409 Leu Glu Gly Ile Arg Ile Cys Arg Lys Gly Phe Pro Ser Arg Ile Leu
410 705                               710                               715                               720
413 Tyr Ala Asp Phe Lys Gln Arg Tyr Lys Val Leu Asn Ala Ser Ala Ile
414                               725                               730                               735
417 Pro Glu Gly Gln Phe Ile Asp Ser Lys Lys Ala Ser Glu Lys Leu Leu
418                               740                               745                               750
421 Ala Ser Ile Asp Ile Asp His Thr Gln Tyr Lys Phe Gly His Thr Lys
422                               755                               760                               765
425 Val Phe Phe Lys Ala Gly Leu Leu Gly Leu Leu Glu Glu Met Arg Asp
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434                               805                               810                               815
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441 Trp Pro Trp Met Lys Leu Phe Phe Lys Ile Lys Pro Leu Leu Lys Ser
442                               835                               840                               845
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446                               850                               855                               860
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454                               885                               890                               895
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458                               900                               905                               910
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**VERIFICATION SUMMARY**

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**Output Set: N:\CRF4\02272006\J567728.raw**

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
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